

Notice of Allowability

Application No.

09/622,468

Applicant(s)

SALONAHU ET AL.

Examiner

Sam Bhattacharya

Art Unit

2687

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed on 4/25/05.
2. ☒ The allowed claim(s) is/are 1-37.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

BY

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-37 are allowed.
2. The following is an examiner's statement of reasons for allowance: the prior art fails to disclose a combination of steps in a method of measurement reporting in a telecommunication system comprising mobile stations and a network comprising base stations, wherein handover decisions on establishing or canceling a link between a mobile station and a base station are made in the network on the basis of measurement reports sent from the mobile station to the base station, including determining by the mobile station a plurality of independent measurement report triggering conditions using the network defined parameters, verifying by the mobile station whether a measurement report triggering condition has been met, generating a measurement report comprising information about the monitored radio signals at the mobile station when one of the triggering conditions has been met, and transmitting the generated measurement report to the network, as in claim 1; a combination of steps in a method of measurement reporting in a telecommunication system comprising mobile stations and a network comprising base stations, wherein handover decisions on establishing or canceling a link between a mobile station and a base station are made in the network on the basis of measurement reports sent from the mobile station to the base station, including sending by the network a plurality of independent measurement report triggering conditions for the mobile station, monitoring at the mobile station properties of a plurality of radio signals received from respective base stations, responsive to both the monitored radio signals and the triggering conditions, generating a measurement report comprising information about the monitored radio

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signals at the mobile station, and transmitting the generated measurement report to the network, as in claim 2; a combination of elements in a telecommunication network for a telecommunication system comprising mobile stations and the network comprising base stations, in which system the mobile stations monitor radio signals sent by the base stations and handover decisions on establishing or canceling a link between a mobile stations and a base station are made in the network on the basis of measurement reports sent from the mobile station to the network, the network further comprising a determining means for determining a plurality of parameters for a mobile station for use by the mobile station to determine a plurality of independent measurement report triggering conditions, and a sending means responsive to the determining means for sending the determined parameters to the mobile station, as in claim 26; a combination of elements in a telecommunication network for a telecommunication system comprising mobile stations and the network comprising base stations, in which system the mobile stations monitor radio signals sent by the base stations and handover decisions on establishing or canceling a link between a mobile stations and a base station are made in the network on the basis of measurement reports sent from the mobile station to the network, the network further comprising a determining means for determining a plurality of independent measurement report triggering conditions for use by a mobile station together with monitored signals of a plurality of base stations to trigger the transmission of a measurement report from the mobile station; and a sending means responsive to the determining means for sending the determined parameters to the mobile station, as in claim 27; a combination of elements in a network element for a telecommunication network for a telecommunication system comprising mobile stations and the network comprising base stations, in which system the mobile stations

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monitor radio signals sent by the base stations and handover decisions on establishing or canceling a link between a mobile stations and a base station are made in the network on the basis of measurement reports sent from the mobile station to the network, the network further comprising a determining means for determining a plurality of parameters for a mobile station for use by the mobile station to determine a plurality of independent measurement report triggering conditions, and a sending means responsive to the determining means for sending the determined parameters to the mobile station, as in claim 28; a combination of elements in a mobile station for a telecommunication system comprising mobile stations and a network comprising base stations, in which system handover decisions on establishing or canceling a link between a mobile station and a base station are made in the network on the basis of measurement reports sent from the mobile station to the network, including means for determining a plurality of independent measurement report triggering conditions using the received parameters, a plurality of verifying means for verifying whether a measurement report triggering condition has been met, a plurality of report means responsive to the verifying means for establishing a measurement report comprising information about the monitored radio signals when one of the triggering conditions has been met, and a sending means for sending the measurement report to the network, as in claim 29; a combination of elements in a network element for a telecommunication network for a telecommunication system comprising mobile stations and the network comprising base stations, in which system the mobile stations monitor radio signals sent by the base stations and handover decisions on establishing or canceling a link between a mobile stations and a base station are made in the network on the basis of measurement reports sent from the mobile station to the network, the network further comprising a determining means for

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determining a plurality of independent measurement report triggering conditions for use by a mobile station together with monitored signals of a plurality of base stations to trigger the transmission of a measurement report from the mobile station; and a sending means responsive to the determining means for sending the determined parameters to the mobile station, as in claim 33; a combination of elements in a mobile station for a telecommunication system comprising mobile stations and a network comprising base stations, in which system handover decisions on establishing or canceling a link between a mobile station and a base station are made in the network on the basis of measurement reports sent from the mobile station to the network, including receiving means configured to receive from the network a plurality of independent measurement report triggering conditions and to receive radio signals from a plurality of base stations, monitoring means for monitoring the radio signals received from respective base stations, a plurality of verifying means for verifying whether a measurement report triggering condition has been met, a plurality of report means responsive to the verifying means for establishing a measurement report comprising information about the monitored radio signals when one of the triggering conditions has been met, and a sending means for sending the measurement report to the network, as in claim 34; a combination of elements in a mobile station for a telecommunication system comprising mobile stations and a network comprising base stations, in which system handover decisions on establishing or canceling a link between a mobile station and a base station are made in the network on the basis of measurement reports sent from the mobile station to the network, including receiving means for receiving parameters from the network for triggering the transmission of a measurement report and for receiving radio signals from a plurality of base stations, monitoring means for monitoring properties of a

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plurality of radio signals received from respective base stations, verifying means for calculating link quality measures for the base stations with an equation using the monitored properties of the radio signals and the received parameters, and the verifying means being configured to determine using the calculated link quality measures whether a trigger condition for sending a measurement report is met, as in claim 37.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Bhattacharya whose telephone number is (571) 272-7917. The examiner can normally be reached on Weekdays, 9-6, with first Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


9/19/05
LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER